



Little Rock Lake Phosphorus Reduction Project



Clean Water Funds: 2012

Clean Water Grant	\$163,639
Leveraged Funds*	\$40,516
Total Project Budget	\$204,155

* Leveraged Funds include

Targeted Water:
Little Rock Lake

Project Sponsor:
Benton Soil and Water
Conservation District

Grant Period:
January 2012—December 2014

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C12-139 - Clean Water Assistance

Project Narrative

Little Rock Lake, in Benton County, is negatively impacted for nutrients. Little Rock Lake is a significant regional recreational lake. Toxins released by blue green algae blooms have been the highest ever measured by the Minnesota Department of Health. Given the importance of this resource and the severity of the water quality problems, obtaining tangible water quality improvements is a high priority in the Benton and Morrison County local water management plans.



This project kicks off the implementation strategies to reduce phosphorus entering Little Rock Lake through a coordinated effort with Benton and Morrison SWCD's the Natural Resources Conservation Service, the Little Rock Lake Association, the poultry and livestock industry and other partners. Numerous conservation practices will be installed by providing financial and technical assistance to landowners within the watershed.

The conservation practices identified for this project will reduce pollutant loading to Little Rock Lake by up to 400 tons of sediment and 500 lbs of phosphorus each year. Another 700 lbs of phosphorus savings will result from enhanced monitoring and management of crop nutrient needs.

Proposed Outcomes:

- Sieben riparian pasture fencing project - Little Rock Lake
- Nutrient Management test plots - Little Rock Lake
- 10 Lake Buffer Strips - Little Rock Lake
- Projected projects based on past performance and projects currently under planning. - Little Rock Lake
- Simmons streambank stabilization - Little Rock Lake

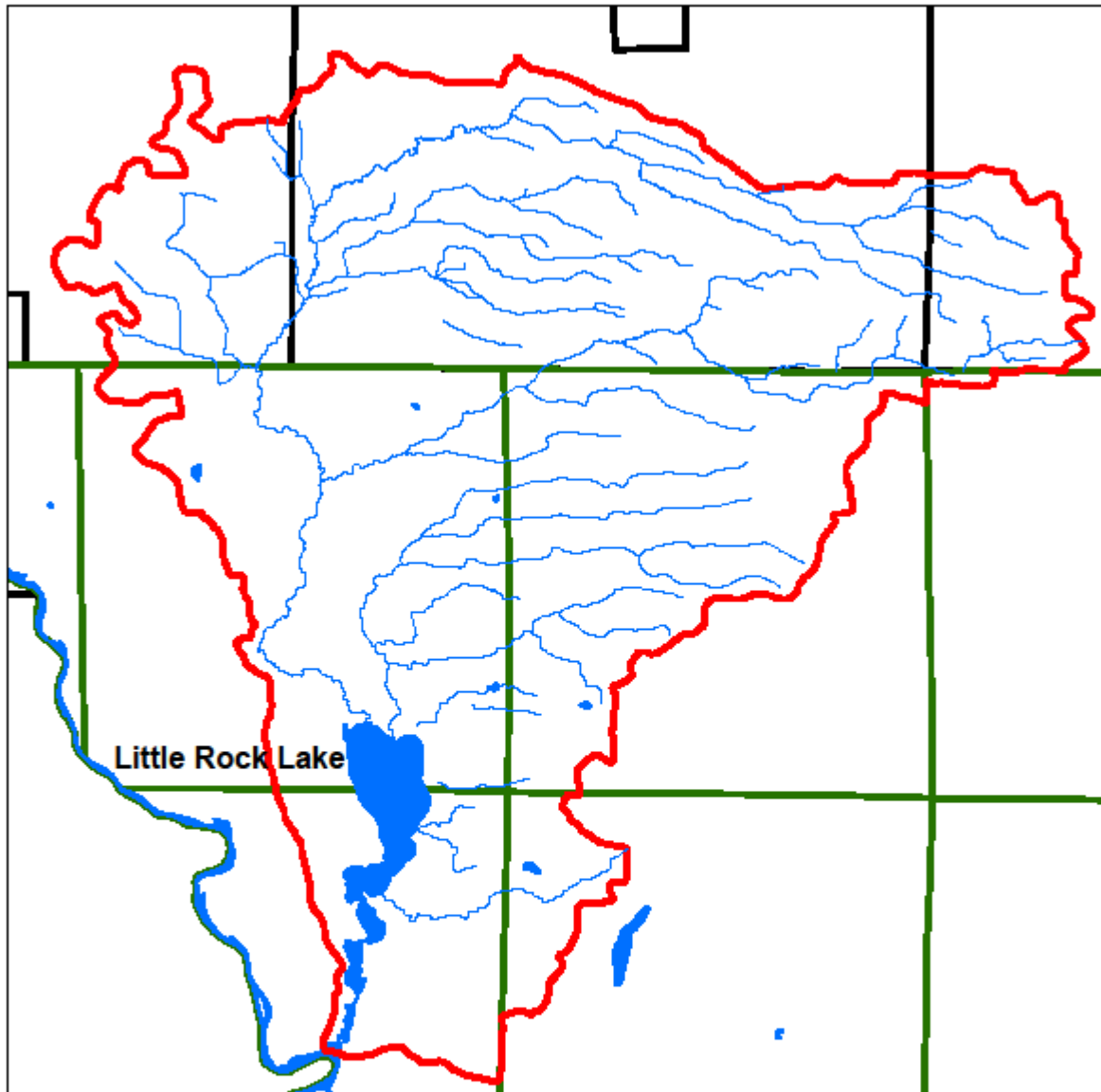
Proposed Reductions: 31.76 Nitrogen lbs/year, 1204.6 Phosphorus lbs/year and 388.73 Sediment tons/year

Actual Outcomes:

Project in Progress

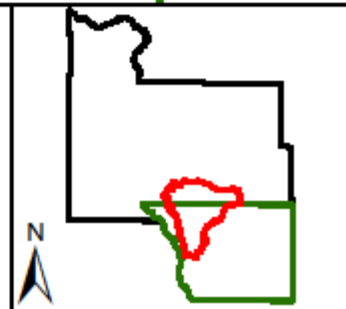
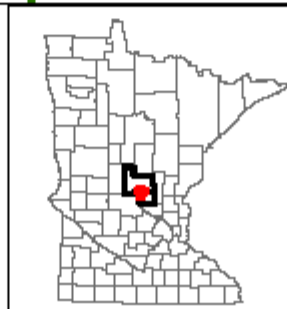
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Little Rock Lake Watershed, Benton & Morrison County, MN



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- Benton County
- Morrison County
- Little Rock Lake Watershed
- Lakes
- Streams



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